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September 26, 2005

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Commissioner for Patents PO Box 1450 Alexandria, VA: 22313-1450 Art Unit 2685

Attn: Mail Stop Issue Fee

Re:

U.S. Utility Patent Application

Application No. 09/770,675; Filed: January 29, 2001

For:

Wireless and Wired Cable Modem Applications of Universal

Frequency Translation Technology

Inventor:

Sorrells et al.

Our Ref:

1744.0140005

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. Copy of the Notice of Drawing Inconsistency with Specification;
- 2. Reply to Notice of Drawing Inconsistency with Specification; and
- 3. One (1) Return Postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Sterne, Kessler, Goldstein & Fox PLLC. : 1100 New York Avenue, NW : Washington, DC 20005 : 202.371.2600 f 202.371.2540 : www.skqf.com

Commissioner for Patents September 26, 2005 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

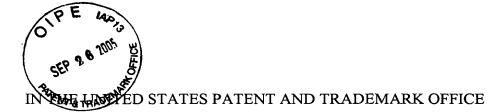
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MQL/srb Enclosures

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In re application of:

Sorrells et. al.

Appl. No.: 09/770,675

Filed: January 29, 2001

For: Wireless and Wired Cable Modem Applications of universal Frequency

**Translation Technology** 

Confirmation No.: 5430

Art Unit: 2685

Examiner: Tran, Pablo N.

Atty. Docket: 1744.0140005

## Reply to Notice of Drawing Inconsistency with Specification

Mail Stop Issue Fee

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

In reply to the Notice of Drawing Inconsistency with Specification dated September 12, 2005, Applicants submit the following Reply.

FIG. 20G is listed in the Brief Description of the Drawings section of the specification and is referred to in the Detailed Description of the Preferred Embodiments section of the specification, but is not contained in the Drawings. In the specification, FIG. 20A-1 was incorrectly identified as FIG. 20G. Accordingly, Applicants propose the following corrections to paragraphs [0045] and [0046] of the Brief Description of the Drawings section of the specification and paragraph [0151] of the Detailed Description of the Preferred Embodiments section of the specification:

[0045] FIGS. 20A and <del>20G</del> <del>20A-1</del> are exemplary aliasing modules according to embodiments of the invention;

[0046] FIGS. 20B-20F are exemplary waveforms used to describe the operation of the aliasing modules of FIGS. 20A and 20G 20A-1;

[0151] FIG. 20A illustrates an aliasing module 2000 for down-conversion using a universal frequency translation (UFT) module 2002 which down-converts an EM input signal 2004. In particular embodiments, aliasing module 2000 includes a switch 2008 and a capacitor 2010. The electronic alignment of the circuit components is flexible. That is, in one implementation, switch 2008 is in series with input signal 2004 and capacitor 2010 is shunted to ground (although it may be other than ground in configurations such as differential mode). In a second implementation (see FIG. 20G 20A-1), capacitor 2010 is in series with input signal 2004 and switch 2008 is shunted to ground (although it may be other than ground in configurations such as differential mode). Aliasing module 2000 with UFT module 2002 can be easily tailored to down-convert a wide variety of electromagnetic signals using aliasing frequencies that are well below the frequencies of EM input signal 2004.

The proposed corrections add no new matter to this application. Therefore, Applicants respectfully request that the Office approve the proposed corrections.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

pectfully submitted,

STERNE KESSLER GOLDSTEIN & FOX P.L.L.C.

Attorney for Applicants Registration No. 35,239

Date: September 26, 2005

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26111 75	90 09/12/2005		EXAMINER		
STERNE, KESSLER, GOLDSTEIN & FOX PLLC 1100 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			TRAN, PABLO N		
			ART UNIT	PAPER NUMBER	
	•		2685		
			DATE MAILED: 09/12/2005		

Please find below and/or attached an Office communication concerning this application or proceeding.

Drawings due Ochsber 12 2005

DOCKETED





09/770,675

UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER SECRETARY OF COMMERCE FOR INTELLECTUAL PROPERTY AND DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

## NOTICE OF DRAWING INCONSISTENCY WITH SPECIFICATION

The drawings filed 8/30/0 between the drawings and the Bri	iei Description of t	IIC DIGWIII-6-	, , , , , , , , , , , , , , , , , , , ,	
Figures 2061 are listed in the contained in the Drawings.	the Brief Description	on of the Dra	wings in the spe	cification but not
Figures are contained Drawings in the specification.		•		
Applicant is required to correct to MONTH or THIRTY (30) DA' or within the time remaining in to PTOL-37) to file corrected draw PERIOD MAY BE GRANTEI	the time period set vings, whichever is D UNDER EITHI	forth in the longer. NO ER 37 CFR	Notice of Allows EXTENSION (1.136 (a) OR (b)	bility (Form OF THIS TIME )
Failure to correct the above note	ed inconsistency w	ill result in a	bandonment of	the application.
The file will be held in the Publi	ishing Division to	await the co	rrection of the in	consistency.
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